UNIMOR T66D6

MODEL

SERVICE MANUAL

TUNER

IF-AUDIO/STEREO

NICAM MODUL

SCART1

SCART2

VIDEO AUDIO SOURCE SELECT MODUL

SCART AUDIO

COLOR DECODER

AUDIO AMPLIFIER OUTPUT STAGE

EARPHONE ASSEMBLY

TELETEXT

OPTION

TOP OR FAST TEXT MODUL

ON/OFF SWITCH&FILTER BOARD

MAINS FILTERS

POWER SUPPLY

SAT MODUL

VERTICAL OUTPUT STAGE

HORIZONTAL OUTPUT STAGE

E/W CORRECTION

PROCESSOR

EEPROM

CRT BOARD

LOCAL KEYBOARD

SIMPSON

POWER SUPPLY

K803/K805

+33V
+14.8V
+26V
+19V
+12V
+5V
GND

SAT MODUL

to K101 ->
to K202 ->
SOUND OUT K2001
K1000 CVBS-SAT
SAT
K1160->

HORIZONTAL OUTPUT STAGE

+19V
B6V-VERTICAL
EHT
AQADAG
+12V
K601
E/W CORRECTION
H DY
DEFL. HOR.
BCL-COL
BCL-IF
H-DRIVE
V-CORR
SSC

PROCESSOR
EEPROM

SCL
SC1/SC2
V-TUN
UHF
SYS II
BD III
V-SYN
RGB-SHIFT
SYSTEM
SAT
CON
AV-STATUS
SVHS
AV
IDENT
AFC-TERRA
TINT

K301

LOCAL KEYBOARD
IR RECEIVER
LED grn
LED red
C-AV OFF
COPY OFF
SVHS-REAR ON
C-AV ON
COPY ON
SVHS-REAR OFF
S13
COPY SWITCH

VG2
AQUADAG

RGB-SHIFT
RGB
BCL
BGL/L'
SYSTEM
L,L'
IDENT
TV
SYNC
SSC
H-DRIVE
V-DRIVE
V-FEEDB
AGC
IF1
IF2
SCL
SDA
AV
TV
TV.AV
MUTE
IC1100
TDA8304
IC2101
TDA8416
K1100
Main Board
K1101
Control
OTVC Unitor N
SIEMENS
Siemens
BG/DK, I
J41
J1100
J1102
J1103
TP1101
TP1100
TP1103
TP1104
Sync
AFC
D1100
1N4148
D1101
D1104
Z1100
Video Sau Filter
OFWK6256
Z1101
TPS5.5
L1100
L1101
L1102
L1104
L1105
Q1101
JC501
Q1103
Q1104
JA101
Q1106
JC501
VR1100
VR1101
4k7 H-FREQ
VR1103
H-SHIFT
AGC
R1XXX 220k
BCL
TTO
V-Ramp
V-Drive
V-Feedb
AGC
GND
Supply
IF1
IF2
IF-AGC
H-Start
CVBS-In
50/60Hz
CVBS-Out Switch
Int.CVBS-In
+/- Mod
φ2
SSC
H-Drive
Sync.Sep
φ1
H-Osz.
Ident
IF-Dem
IF-Dem
AFC S/H
AFC
CVBS-Out
GND
AV-Switch
AGC-Det
CVBS-INT
CVBS-TV
NICAM-AF-IN2
NICAM-AF-IN1
L+R
2R
Y2130 10.0
Stero Decoder
Dematrix Inputs
Dig. GND
Alg. GND
n.c.
330R R2135
330R R2134
1k5 R2133
1k5 R2132
R2138 2k7
R2139 2k7
R2140 100k
C2137 220n
C2138 100n
C2136 100n
AUDIO-OUT-R
AUDIO-OUT-L
R
L
+12VA
+12VV
+12VM
+33V
+12VT
+12VP
+5V

OTVC Unimor Neptun T66D6 (strona 1/4)

SERWIS ELEKTRONIKI

IC2101 TDA8416

Stero Decoder

Dig. GND, Alg. GND, Dematrix Inputs

20
19 n.c.
18 MUTE — C2138 100n — TV.AV — TV — R2140 100k — IDENT
17 C2137 220n
16 C2136 100n
15 +12VA
14 1k5 R2132 — C2132 470n — L
13 1k5 R2133 — C2133 470n — R
12 330R R2134 — C2134 4u7/25 — AUDIO-OUT-L
11 330R R2135 — C2135 4u7/25 — AUDIO-OUT-R

R2138 2k7
R2139 2k7

IC2102 TDA8425

Audio Processor

1 L — C2150 100u/16 — 2 D.C.
3 R — +12VA — C2151 C2152 — 4
5 An. GND — 100u/16 100n
6 C2153 33n
7
8 C2154 5n6
9 AUDIO-R — C2155 470n — R2150 1k2 — R2151 1k2
10 Dig. GND

20 C2161 470n — AUDIO-IN-R
19 C2160 15n
18 AUDIO-IN-L — C2162 470n
17 C2159 15n
16
15 C2158 33n
14 C2157 5n6
13 R2152 1k2 — C2156 470n — AUDIO-L — R2153 1k2
12 R2154 100R — SCL
11 R2155 100R — SDA

K1100 Main Board

IF, IF1, IF2, J1100, AGC, SSC, CVBS, CVBS-OUT, CVBS-IN, n.c., AUDIO-L, AUDIO-R, AUDIO-IN, +12V, C1142 100p, BCL, H-DRIVE, V-DRIVE, SUPPLY, V-FEEDB

K2102 AUDIO-I/O

1 AUDIO-OUT-L
2 AUDIO-OUT-R
3 AUDIO-IN-R
4 AUDIO-IN-L
5
6
7
to Scart Module K5000 ->

+12VA, +12VB
L2191 100u, L2192 100u, C2190 1000/16
L2190 100u, R2190 10R, D2190 1N4148
+12V

IC1100 TDA8304

Sync.Sep, φ1, H-Osz., Ident, IF-Dem, IF-Dem, AFC S/H, AFC, CVBS-Out, GND, AV-Switch, AGC-Det
V-Feedb, AGC, GND, Supply, IF1, IF2, IF-AGC, H-Start, CVBS-In, 50/60Hz, CVBS-Out Switch, Int.CVBS-In

TP1103 Sync — C1128 2n7S — VR1101 4k7 H-FREQ — R1139 33k — C1127 68n — R1140 82k
R1143 1k5 — C1129 68n — C1130 10/16 — L1105 BG,L = 38.9MHz — WMA1815 — R1133 3k3
J1102 — R1155 390R — C1140 12p
TP1104 — C1122 22n — +12VT — R1131 68k — R1130 68k — AFC
C1121 100n — R1150 100R — AV — TV
C1138 1n — C1139 1n — C1120 47/16 — R1129 200R — Q1104 JA101
R1128 1k2 — R1127 220R — L1104 15u — Z1101 TPS5.5
C1141 100n — R1125 56R — R1126 10R — Q1103 JC501 — C1119 47/16 — C1117 4u7/25
R1XXX 220k
+12VV
R1121 10R — R1122 75R — R1123 1k — TP1102 Video-Out — CVBS-OUT
J1101 — R1124 100R — Q1102 JC501 — C1118 47/16 — R1161 33k — R1162 56k — R1160 1k2
CVBS-IN — J1103

C1106 100n — C1107 100n — C1108 100/16 — L1102 100u
Video Sau Filter 5 OFWK6256 Z1100
C1114 6u8/16 — R1117 15k — C1115 1n — R1116 1R
R1118 2k2 — Q1101 JC501 — R1119 100R — R1120 2k2 — R1132 560R — C1123 47p — C1116 100n
+12VM — +12VV — SYNC — CVBS
R1110 3k9 — TP1100 +12V — R1111 1R — D1100 1N4148 — R1108 18k — R1109 12k — C1110 100/16 — C1111 100n — TP1101 AGC
D1101 — C1113 1n
L1100 100u — L1101 100u — +12V — +12VM — +12VV
CVBS-IN

K1101 Control

to K103 ->

BG/DK, I, RGB-SHIFT, J41, SYSTEM, SDA, SCL, AFC, +5V, +33V, SYS II, IDENT, AV

2KBD00400

J1
MTRX7, MTRX6, MTRX5, MTRX4, MTRX3, MTRX2, MTRX1, GND, COPY, +5V, IR-OUT, ASB, KSB, KSAT
OPTION
LD3001 red, LD3002 green
S3006, S3001, S3003, S3004, S3008, S3002, S3005, S3009, S3007, S3011, S3010, S3012, S3013
COPY SWITCH
R2 100R, C1 100u/16V, R1 22k
IC 3001 SFH-506 — GND, VCC, OUT

S1 PROGRAMM UP
S2 PROGRAMM DOWN
S3 LINEAR UP
S4 LINEAR SELECT
S5 LINEAR DOWN
S6 FINE TUNING UP
S7 SEARCH
S8 FINE TUNING DOWN
S9 STORE
S10 CLEAR
S11 PAL/SECAM
S12 SYSTEM SELECTOR
S13 COPY SELECTOR

SCART Signals

1 = Audio R OUT	11= Green IN
2= Audio R IN	12= Data I
3= Audio L OUT	13= Red GND
4= Audio GND	14= FBI GND
5= Blue GND	15= Red IN
6= Audio L IN	16= FBI IN
7= Blue IN	17= VOUT GND
8= AV Switch	18= VIN GND
9= Green GND	19= Video OUT
10= Data 2	20= Video IN
	21= GND,CASE

manuals SIAMO

Document CLASSIC

AUDIO-I/O

AUDIO-OUT-L-S
AUDIO-OUT-R-S
AUDIO-IN-R-S
AUDIO-IN-L-S

CVBS-EXT-2
AUDIO-EXT-2R
AUDIO-CINCH-R
AUDIO-EXT-2L
AUDIO-CINCH-L
S06
S05
S04
C5503 4u7/16
C5505 4u7/16
C5507 4u7/16
C5508 1/16
C5509 4u7/16
C5510 4u7/16
VP5 6
CVBS-EXT
AUDIO-EXT-R
AUDIO-EXT-L
+12V2
R5517 1k
R5511 10R
C5511 100n
C5500 22/16

IC5300 TDA8440

Select Frontend to Scart 2 or
Copy Scart 1 to Scart 2

CVBS-EXT-1
CVBS-COPY
CVBS-INT
AUDIO-OUT-R-S
AUDIO-EXT-1R
AUDIO-OUT-L-S
AUDIO-EXT-1L
C5301 4u7/16
C5303 4u7/16
C5305 4u7/16
C5307 4u7/16
C5308 1/16
C5309 4u7/16
C5310 4u7/16
VP3 6
C5317 100n
VP3
R5317 1k
COPY/SC2
CVBS-OUT-2
C5314 470n
AUDIO-OUT-2R
C5312 470n
AUDIO-OUT-2L
+12VN
R5311 10R
C5311 100n
C5300 22/16

IC5400 TDA8440

Select Scart 1 or IC5500 Output

CVBS-EXT
CVBS-EXT-1
AUDIO-EXT-IR
AUDIO-EXT-R
AUDIO-EXT-1L
AUDIO-EXT-L
C5403 4u7/16
C5405 4u7/16
C5408 1/16
C5409 4u7/16
VP4 6
C5417 100n
Q5400 JC501
R5400 22k
SC2
SCI
SC1/SC2
S18
VIDEO-IN
S12
S11
AUDIO-IN-R-S
S10
S09
AUDIO-IN-L-S
S08
R5417 1k
+12V1
R5411 10R
C5411 100n
C5400 22/16

IC260 TDA1521

AUDIO-OUT-L
AUDIO-OUT-R
+33V
C260 1n5
C266 1n5
C261 470u 50V
C262 100n
C263 680u 35V
C264 680u 35V
C265 100u 35V
K262
TO EARPHONE BOARD
C267 22n
R262 8R2
C268 22n
R261 8R2
C912 470p
(GROUND FASTENER)

C5801 100n
R5801 68k
R5802 1k
C5802 10/16
R5805 10R
+12VN
CVBS-EXT-1
C5800 22/16
Q5800 JC501
Q5801 JA101
R5804 180R
R5800 18k
R5803 180R
L5002 100u
+12V2
S02 +12V
L5001 100u
C5001 100n
TP5000 GND
TP5001 GND
+12V1
S07
S01 +12V-STA
S03
C5002 100n
D5000 ZPD12
C5000 100/16
L5000 100u
+12VN

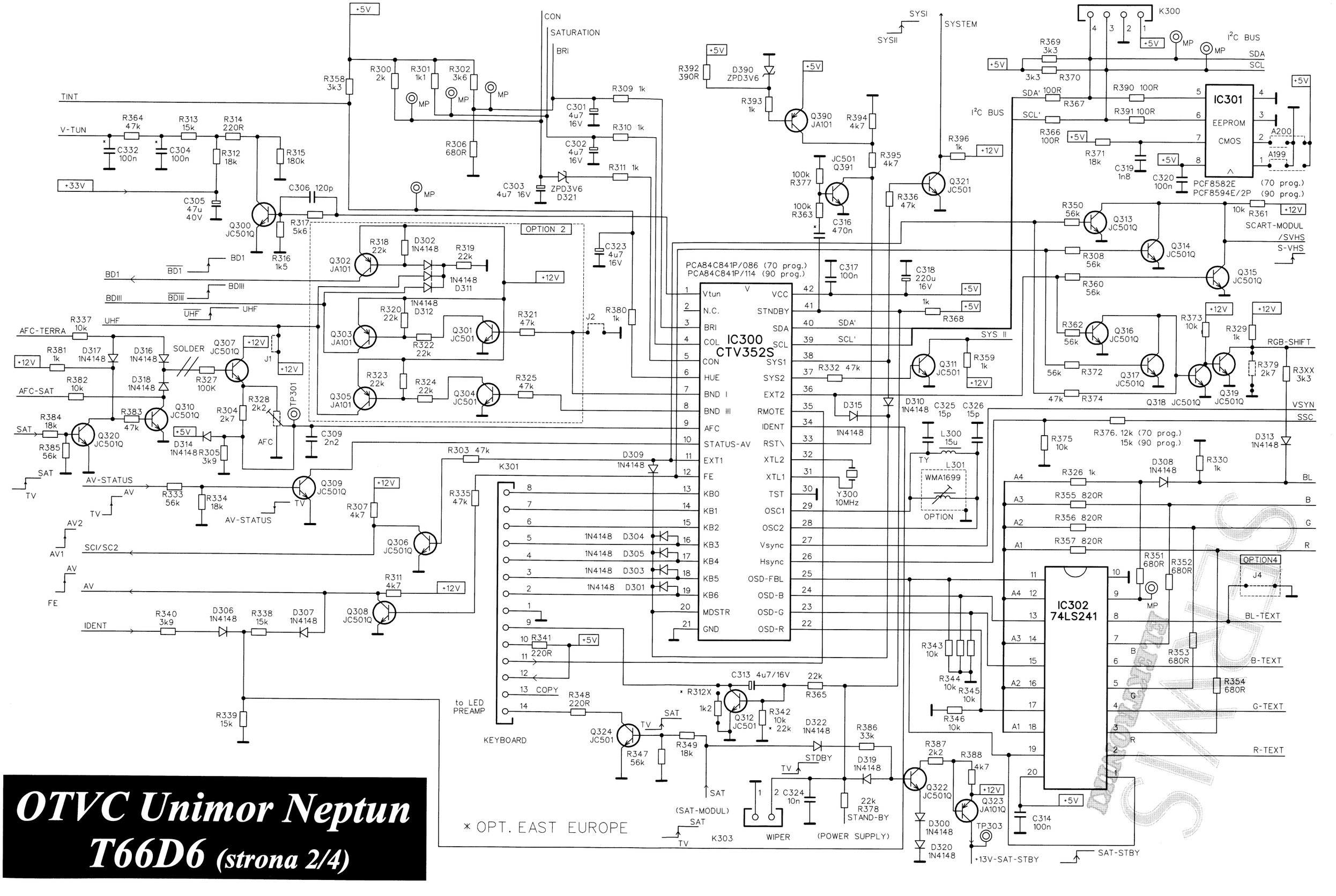
OPTION 2
R318 22k
D302 1N4148
R319 22k
1N4148 D311
Q302 JA101
1N4148 D312
R320 22k
R322 22k
Q303 JA101
Q301 JC501
R321 47k
J2
R380 1k
C323 4u7 16V
BD1
BDIII
UHF
R337 10k
AFC-TERRA
R381 1k
D317 1N4148
D316 1N4148
SOLDER
Q307 JC501Q
J1
+12V

+5V
CON
SATURATION
BRI
TINT
V-TUN
R358 3k3
R300 2k
R301 1k1
R302 3k6
MP
R306 680R
R309 1k
R310 1k
R311 1k
C301 4u7 16V
C302 4u7 16V
C303 4u7 16V
ZPD3V6 D321
R364 47k
R313 15k
R314 220R
C332 100n
C304 100n
R312 18k
R315 180k
+33V
C305 47u 40V
C306 120p
Q300 JC501Q
R317 5k6
R316 1k5

PCA84C841P/086 (70 prog.)
PCA84C841P/114 (90 prog.)
IC300
CTV352S
Vtun
N.C.
BRI
COL
CON
V
VCC
STNDBY
SDA
SCL
SYS1
SDA'
SCL'
C317 100n
C318 220u 16V
R368 1k
+5V
SYS II
R359
SYSI
SYSII
SYSTEM
R392 390R
D390 ZPD3V6
R393 1k
Q390 JA101
R394 4k7
R395 4k7
JC501 Q391
100k R377
100k R363
C316 470n
R336 47k
Q321 JC501
R396 1k
+12V

K300
I²C BUS
SDA
SCL
R369 3k3
3k3 R370
SDA' 100R
R367
SCL'
R366 100R
R390 100R
R391 100R
R371 18k
C319 1n8
C320 100n
IC301
EEPROM
CMOS
PCF8582E (70 prog.)
PCF8594E/2P (90 prog.)
A200
A199
R350 56k
Q313 JC501Q
R308 56k
Q314 JC501Q
R360 56k
Q315 JC501Q
R362 56k
Q316 JC501Q
10k R361
SCART-MODUL
/SVHS
S-VHS
R373 10k
R329 1k
RGB-SHIFT

OTVC Unimor Neptun T66D6 (strona 2/4)



Horizontal Deflection

T600
AT2078/83EP
* AT2077/34M

EHT to CRT

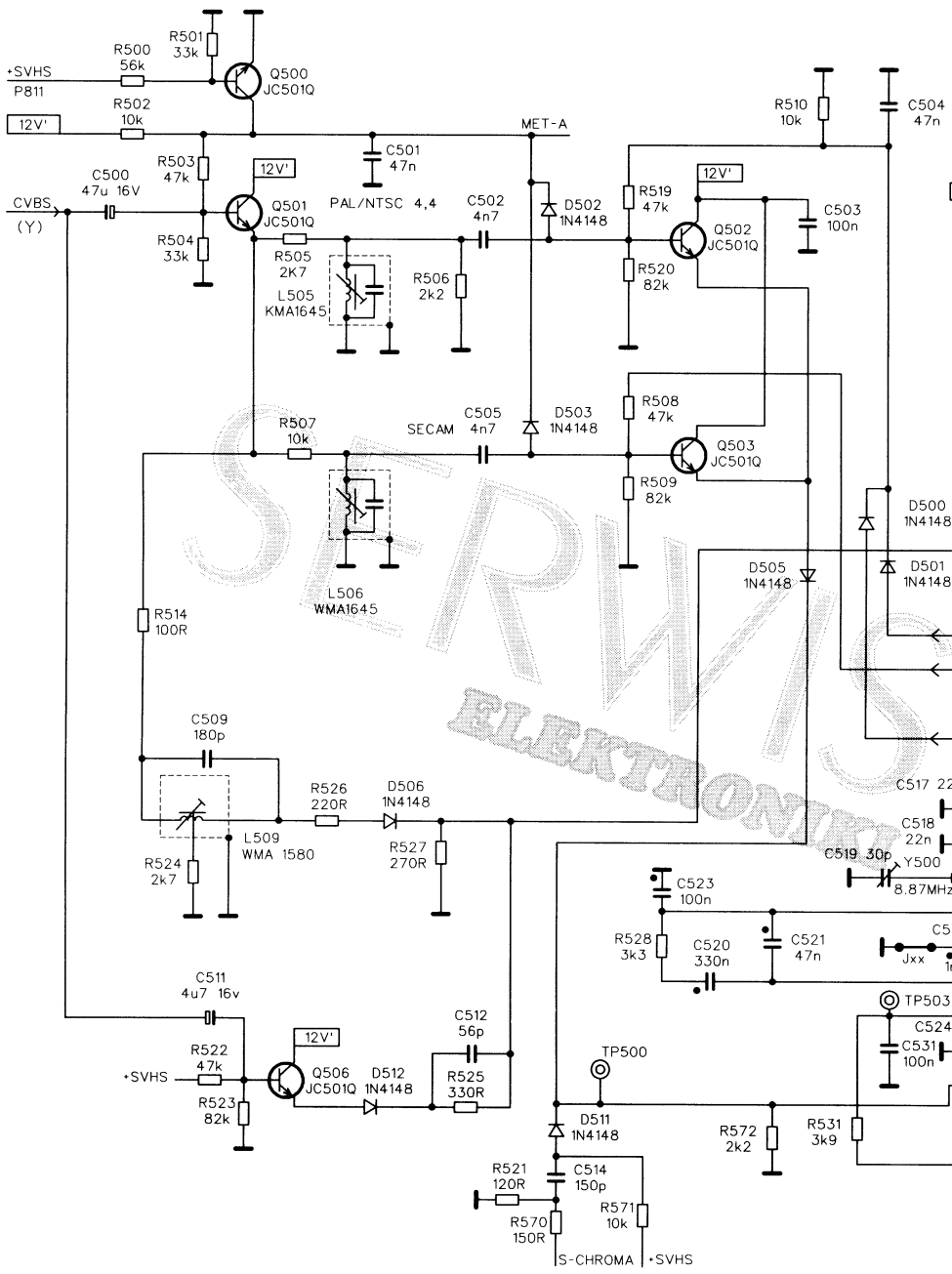
R673 120R
C616 47n
R639 1k5
Q600 BF819
H-DRIVE
D600 1N4148
R643 1k
R611 47R
R612 47k
+12V-SAT-STBY
C602 220u/16
R613 1k
Q602 JC501Q
R614 33k
SAT-STBY
D610 3V6
+12V

TP602 +185V
D601 BYD33G
R646 0R22 0W5
TP603 +148V
C605 10u 250V
K601 Horizontal ← to Tube
C604
100u 160V
C645 4u7 160V
D608 BYD33G
R602 1k 1W
R645 10k
LC110/XX L601
470n C606 250V
H DY
R601 1K5 5W
C608 100n 250V
D603 BYD33G
L602 AT4043/100
LXX 150uHy LHL10
EW-Bridge Coil

+12V
R607 22k 1%
to CRT FOCUS
TP601 H-GHD
VG2
C603 150n 63V
C607 150n 63V
J603 (NoCmp)
+185V
AQUADAG
+12V
J605
FIL-GND
FIL
K600 CRT
R608 0R22 0W5
D605 BYD33G
J604 FILGND
to K700 ->
R610 (10k)
R603 2k7
D602 1N4148
R609 10k
SSC
D611 1N4148
C999 100p
+12V
+26VLOT
C615 220u 40V
Q652
R656
R655
R650 220R 0W5
R651 6k8
R652 3k3
R654
R657 100k
C659 1n 500V
Q651 BC558
R658 47k
R653 2k7
Q650 BDT61BF

C609 820p 500V
R600 1k8 1W
T602 AT4043/87
L603 5u
R604 0R68 4W
R605 47R
Q601 BU508AF
C610 2n7 2kV
* 3n3 2kV
C611 7n5 2kV
C612 22n 1kV
D606 BY228
D609 BYW96D
C613 680n 250V
R644 10R/2W
L604 AT4043/60
R647 2R2
C614 470n
E/W

* TOP LINE OPTION



SERVIS ELEKTRONIK

flection

EHT to CRT

T600
AT2078/83EP
* AT2077/34M

+12V

R607
22k
1%

to CRT
FOCUS

TP601
H-GHD

VG2

C600
22n

R606
1M2

BCL-IF

R009
33k

D001
1N4148

BCL-COL

2V-SAT-STBY

SAT-STBY

D601
BYD33G

C605
10u
250V

R646
0R22
0W5

C603
150n 63V

C607
150n 63V

J603
(NoCmp)

+185V

n.c.

AQUADAG

+12V

J605

FIL-GND

FIL

K600
CRT

to K700 ->

R608
0R22
0W5

D605
BYD33G

J604
FILGND

100u 160V

C645
4u7 160V

D608
BYD33G

R645 10k

470n
C606 250V

R610
(10k)

R603
2k7

D602
1N4148

R609
10k

SSC

C999
100p

D611
1N4148

L602
AT4043/100

EW-Bridge Coil

LXX
150uHy
LHL10

+12V

+26VLOT

C615
220u
40V

R656

Q652

R655

C611
7n5
2kV

D606
BY228

C613
680n
250V

L604
AT4043/60

E/W

R650
220R 0W5

C612
22n
1kV

D609
BYW96D

R644
10R/2W

R647
2R2

C614
470n

R651
6k8

R652
3k3

R654

R657
100k

WIDTH
R659
4k7

C659
1n
500V

Q650
BDT61BF

Q651
BC558

R658
47k

R653
2k7

R661
1K5

R660
22k
PAR.

C651
22u
25V

R663
10k

R664
470k

R666
39k

R667
24k

C655
470n

150n
C654

Q653

BC548C

C652
220u
10V

R662
1k

R665
15k

C653
150n

R668
100k
PHASE

R672
47k

V-CORR

OPTION

C400 TDA3858
Quasi-Par Sound Dem

C404
1n

C402
4n7

C403
470p

R400
5k6

R401
10k

V-DRIVE

C406
100n

R420
47k

+12V-SAT-STBY

R419
18k

Q400
JC501

C409
1n

E/W Correction

C504
47n

C541
47u
16V

C573
100n

D509
ZPD5V6

R538
560R

12V'

TP501 TP502

C568
4u7 16V

R536
10k

R537
10k

IC501
TDA
4661

N.C.

C538
1n

C539
1n

47u 16V
C569

R541
47R

C564
470p

R546
47R

C565
470p

C566
330p

C567
100p

C570
100p

IC503
TDA
4565

R543
1k2

MET-C

10n
C571

C572
4u7
16V

C575
100n

R542
4R7

220u
16V
C576

SAT

R551
15k

39k
R552

TP504

4u7 16V
C543

C542
16V 4u7

C544
1n

C546
1n

C545
1u 16V

C547
4u7 16V

R553
68k

R554
10k

R555
560R

IC502
TDA3505

N.C.

C548
10u 16V

330n
C549

10k
R557

R556
68k

Q510
JA101Q

C550
10u
16V

C552
39p

R559
68k

R561
39k

R560
220k

BCL

SSC

C557

C551
100n

100u
16V

CVBS

TINT

S-CHROMA

+SVHS

BRI

L500
100u

+12V

CON

SATURATION

BCL-COL

R
G
B
BL

TP505

K501

R544
18k

IC503
PIN15

MET-C

18k
R546

1N4148
D508

NET-A

TV/AV

S-SVHS

R545
33k

C562
22n

C561
22n

C560
22n

1k
R566

C559
22n

C558
22n

C557
22n

C556
100n

C555
220u
16V

L507
100u

TP506

TP507

TP508

R-CRT

G-CRT

B-CRT

12V'

CUT OFF

R564
100R

R563
100R

R562
100R

C554
330n

C553
330n

K500
<- to CRT K701

IC500
TDA4650

PAL
SECAM
NTSC 4.4

C537
220p

C536
220p

C535
100n

C534
100n

C533
15p

150p

C532

R533
4k7

C530
150p

15p
C529

L504
WMA1645

R335
1k

R534
1k5

(R-Y)

(B-Y)

10n
C528

C527
100n

C563
220u
16V

R532
4R7

12V'

10n
C526

220p
C525

C599
1n

C524 330n

D500
N4148

D501
N4148

B7MHz

SERVICE
ELEKTRONIK

OTVC U

C600
22n
R606
1M2
BCL-IF
D001
1N4148
BCL-COL

E/W Correction

C655
470n
R667
24k
R666
39k
C651
22u
25V
R663
10k
R664
470k
150n
C654
Q653
BC548C
R660
22k
PAR.
C652
220u
10V
R662
1k
R665
15k
C653
150n
R668
100k
PHASE
R672
47k
V-CORR

R544
18k
MET-C
PIN15
R545
33k
18k
R546
1N4148
D508
NET-A
TV/AV
S-SVHS

14 C562 22n R
13 C561 22n G
12 C560 22n B
11 BL
10 1k R566
9 C559 22n
8 C558 22n
7 C557 22n
C556 100n
C555 220u 16V
L507 100u
12V'
6
5 C554 330n 100R R564
4
3 C553 330n 100R R563
2
1 100R R562
TP506
TP507
TP508
R-CRT
G-CRT
B-CRT
12V'
CUT OFF
7
K500
<- to CRT K701
C552 39p
R559 68k
R561 39k
R560 220k
BCL
12V'
IC502
0A3505
BCL-COL
R
G
B
BL
RATION
13 14 15 16 17 18 19 20 21 22

C400
100n
IC400 TDA3654
VSYN
C401
470u/35V
R403
5k6
R416
1k
1 2 3 4 5 6 7 8 9
C404
1n
TP400
R404
1k
SSC
D400
1N4007
C402
4n7
C403
470p
C405
100u
35V
R402
330R
+26V
R405
2R2 1W
R400
5k6
R401
10k
OPT
A93
R407
330R/2W
R408
1k
VERT
SHIFT
V-DRIVE
K400
4/5
1/2
V
DY
DEFL.
VERT.
C406
100n
R406
150R
ITL
TELETEXT
V-CORR
680R
3300u 35V
C407
R409
10k
R415
1R8 0W5
R414
1R8 0W5
R425
36k
R426
V-Lin
10k
R427
18k
R420
47k
+12V-SAT-STBY
R419
18k
R410A
120R
C410
100n
C408
1u5
35V
R412
100R
V-A
Q400
JC501
R411
120k
R413
47k
C409
1n
R418
2k2
V-FEEDB

SERVIS ELEKTRONIKI

PAL BG
680R
680R
PAL BG
Z2103
SFT5.5
R21X3
R21X4
Z2102
SFT5.74
Z2104
DK SFE6.5MB
Z2101
K9260M
IF1
IF2
+12V
R2114
4R7
L2106
100u
C2117
22/16
NICAM-IF
2k7
2k7
R2119
560R
R2112
R2112
C2118
"0"R
C2119
10/16
+5VA
C2116
100n
J2100 (L2107)
C2115 2u2/16
C2114
2u2/16
C2111
27p
D2103
BB809
C2110
100n
+5VA
AIF4
AIF3
n.c.
FM
NF2
NF1
AM
Tracking
n.c.
C2109
10n
I2104
WMA106
38.9MHz
IC2100 TDA3858
Quasi-Par. Sound Dem.
AM
AGC FM
AGC AM
+/- Mod.
Matrix
FM2
FM1/AM
AIF1
AIF2
C2102 n.c.
4u7/16
C2105
1n5
R2110
470R
J19
2k7
J18
4k7
C2108
1n5
R2109 10k
MATRIX
10k
VR2100
L2102
WMA102
5.74
L2103
WMA102
5.5
R2111
470R
C2113
1nS
R2115
620R
L2101
C2104
10n
+5VA
R21X2
3k3
C2106
470n
2R
R21X1
3k3
L2105
WMA102
6,5
L2100
1u5
C2107
470n
L+R
D2102
BB809
47 pF

OTVC Unimor Neptun T66D6 (strona 3/4)

DRIVE

K701
1 R
2
3 G
4
5 B
6 +12V
7
D754 1N4148
CUTOFF

SUPPLY

K700
1 FIL
2 FIL-GND
3 +12V
4 AQUADAG
5
6 +UB +185V

K703 VG2

TP705

✳ ✳	3CR774670 EUROPE	3CR774660 ISRAEL
R706	180k	220k
R707	43k	JUMPER
J703	JUMPER	---
J703A	---	JUMPER
J704	JUMPER	---
J704A	---	JUMPER

TP704 CUTOFF

+12V✳
R706 ✳✳
R707 ✳✳
J703 ✳✳
J703A ✳✳
R708 43k
J704A ✳✳
J704 ✳✳
R709 120k
TPSYNC

R-CUTOFF
G-CUTOFF
B-CUTOFF

VR710 2k2 B-Gain
B
R711 2k7
VREF
+12V✳
BLUE
R712 1k5
C711 100n
C712 100n
R713 1k5
R714 68k 1W
C713 220n 250V
C714 560p 100V
IC701 TDA6101Q
TP700 B

VR720 2k2 G-Gain
G
R721 2k7
VREF
+12V✳
GREEN
R722 1k5
C721 100n
C722 100n
R723 1k5
R724 68k 1W
C723 220n 250V
C724 560p 100V
IC702 TDA6101Q
TP701 G

R736 620R
R73 1k5
R733 1k5
R73 68k 1W
TP702 R

B-DRIVE
G-DRIVE
+UB✳

TUBE Type	R741
A66/A59 EAK 71X11	6R2/2W
A66/A59 ECF 10X05	6R2/2W

✳ ✳ ✳

+UB +185V
R704 100R
C740 10n 2kV6
C704 10u/250V
VG2
C753 1N4148
C706 10n/250V
R750 47k
R755 10k
Q750 BF423
C750 10u/50V
D755 1N4148
R753 220k
R752 220k
R793 18k

R700 4R7
+12V
+12V✳
C700 1000u 16V
R790 15k
R791 820R
TP790
VREF
Q790 JA101Q
C702 220n
R792 5k6
C790 200n 500V
FIL

D752 1N4007
C741 2n2/400V
R751 10M
C751 1uF/250V
R754 56k
VG2
R740 1K5 2W
FIL
R741 XXX
FIL-GND
depends on tube

K702 TUBE
9 F1
10 F2
R-DRIVE R742 1k5 2W 8 KR
G-DRIVE R743 1k5 2W 6 KG
B-DRIVE R744 1k5 2W 11 KB
AQUADAG 0 4 3
K704 AQUADAG

SERVIS ELEKTRONIKI

K800 F800 F802 K802
220V~ Mains Input
1 AC 2A5T 1
2 2
to Mains Switch
Mains Fused

IN CASE OF L800A INSERT R801A & DELETE J800B
IN CASE OF L800B INSERT J800B & DELETE R801A

K803
L800
150n
250VAC C806
250V AC 680n C805
Mains Switched

C800 1n/1kV
C801 1n/1kV
DB800 B250C1500
1n/1kV C802
1n/1kV C803
R800 820k
C804 220u 385V
J800B
R801 (SEE TABLE)
ASSEMBLY K805
R802 75k 1W

R804
SOLDER R804 MANUALY!
PTC

K801 DEGAUSSING
C807 100n 250V AC

ON SEPARATED ON/OFF BOARD!

C809 47u 25V
D804 1N4148

ADJ.148V
BRI=0
CON=0
VOL=0
R803 220R 1%
R805 6k42
R806 680R
15n C821
R821 510R
C814 1u 25V
R810 270k 0W6 1%
C816 8n2
R811 820k
R812 5k1
IC800 TDA4605-2
220n C826
10k R814
BEFORE CHANGE IC800 DISCHARGE C804
R815 47R
Q800 BUZ90
D805 1N4148
C810 4n7
0W5 47R R807
D811 (SEE TABLE)
27k 5W R820
C820 27n

T801/T802 (SEE TABLE)

C808 120p 500V
BYW95B D809
R819 L812 (SEE TABLE)
BYW29-100 D806
R813 L811 (SEE TABLE)
BYW95B D808
R825 L802 0R22 0W5
D807 BYD33D
C819 470u 16V
+8V
12/13/14

C822 3n3 4kV AC
R817 4M7 0W5

MAINS NOT ISOLATED
MAINS ISOLATED

TP802 +12V
+19V
C834 330n
IC803 LM317
R845 390R 1%
R846 3k3 1%
22u 16V C837
Q809 JC501

K303'
W2 W3
S800-1
S800 MAINS
Wiper
S800-2 1/1
K802' K803'
2/1
S800-3
Mains Fused
Mains Switched

M.B \ REF	T801/T802	D811	R801	R813	R819
OPTION 1	CT495F/PM2	BYT85-800	NTC 4R7	FUSE 2A5	FUSE 2A5
OPTION 2	AT3010/110PM1	BYD33M	2R7 4W	OR22 1W	OR22 0W5
OPTION 3	AT3010/110PM1	BYD33M	2R7 4W	FUSE 2A5	OR22 0W5

VR710 2k2 B-Gain
R711 2k7
VREF +12V*
BLUE
C711 100n
C712 100n
R712 1k5
C713 220n 250V
C714 560p 100V
R714 68k 1W
IC701 TDA6101Q
P700 B
B-DRIVE

VR720 2k2 G-Gain
G
R721 2k7
VREF +12V*
GREEN
C721 100n
C722 100n
R722 1k5
R723 1k5
C723 220n 250V
C724 560p 100V
R724 68k 1W
IC702 TDA6101Q
TP701 G
G-DRIVE

R
R736 620R
R731 2k7
VREF +12V*
RED
C731 100n
C732 100n
R732 1k5
R733 1k5
C733 220n 250V
C734 560p 100V
R734 68k 1W
IC703 TDA6101Q
TP702 R
R-DRIVE

+UB*
+UB*

Type	R741
AK 71X11	6R2/2W
F 10X05	6R2/2W

R750 47k
R755 10k
C750 10u/50V
Q750 BF423
R752 220k
R753 220k
D755 1N4148
R793 18k

R751 10M
C751 1uF/250V
R754 56k
D752 1N4007
C741 2n2/400V
TP703 G1
VG2
R740 1K5 2W
FIL
FIL-GND
R741 XXX depends on tube
R745 1K5 2W
FOCUS
EHT
K702 TUBE
9 F1
10 F2
5 G1
7 G1
R-DRIVE
R742 1k5 2W
8 KR
G-DRIVE
R743 1k5 2W
6 KG
B-DRIVE
R744 1k5 2W
11 KB
AQUADAG
0
4
3
K704 AQUADAG
AQUADAG

25"/28"
110°

K901 FASTTEXT MODULE
1 2 3 4 5 6 7 8 9 10 11 12
+5V
R927 4R7
+12V
* TZ4 (TO C905/top, OPT, DUALTEXT ONLY)
C911 100n
C901 22n
+5V
R902 4k7
I²C BUS
SCL
SDA
R901 220R
R900 220R

REF	LANGUAGE	IC901
	ENGLISH	SAA5246AP/E
	HEBREW	SAA5246AP/L
	EAST EUROPE	SAA5246AP/H

C801 1n/1kV
1n/1kV C803
R800 820k
C804 220u 385V
R802 75k 1W
C809 47u 25V
D804 1N4148
D805 1N4148
C810 4n7
0W5 47R R807
10k R814
C814 1u 25V
220n C826
T801/T802 (SEE TABLE)
C808 120p 500V
BYW95B D809
+148V TP801
L803 185u CU1102
C813 100u 160V
+148V
R819 L812 (SEE TABLE)
BYW29-100 D806
C815 1000u 50V
+19V TP804
+19V
R813 L811 (SEE TABLE)
BYW95B D808
C818 1000u 35V
Q800 BUZ90
D811 (SEE TABLE)
C820 27n
27k 5W R820
R825 0R22 0W5
D807 BYD33D
C819 470u 16V
+8V
R816 1k
R822 470R 2W5
Q801 BD538
R826 1k 1W
+33V TP805
AUDIO
+26V
C812 470u 50V
Q802 JC501Q
R823 10k
R824 2k7
TV
STANDBY
+12V
GND
12/13/14
R829 47k
+12V-SAT-STBY
Q804 JC501Q
TP302 +5V
R830 18k
C822 3n3 4kV AC
R817 4M7 0W5
IC303 L7805G-V
330n C310
C311 330n
C312 220u 16V
+5V

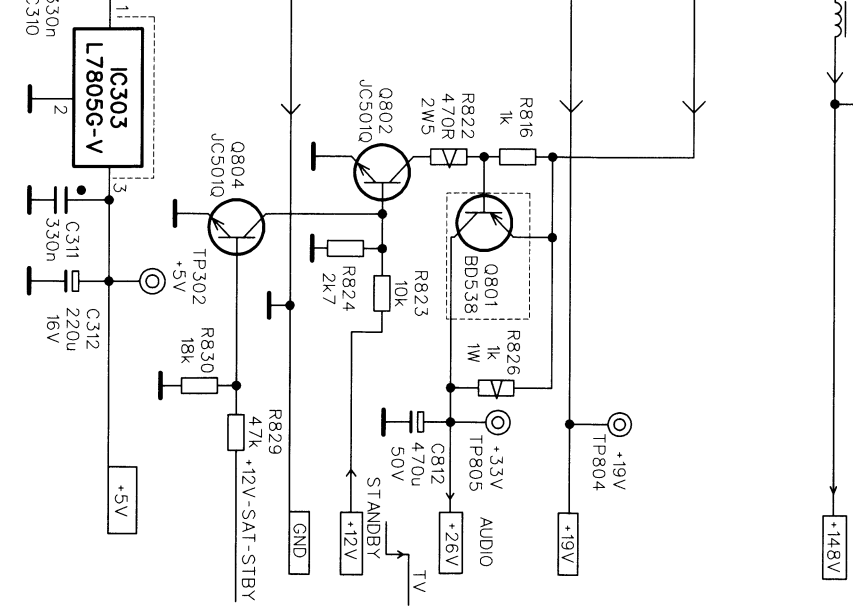
C835 330n
C836 1000u 16V
L813 5u
+12V
C834 330n
IC803 LM317
TP802 +12V
+19V
R845 390R 1%
R846 3k3 1%
22u 16V C837
R828 18k
R827 47k
Q803 JC501Q
SAT-STBY
+12V-SAT-STBY
Standby
TO R378
TV
STANDBY
Q809 JC501
R847 10k
+33V TP803
+33V
C823 1u 40V
D810 ZTK33B
C824 47n
R818 22k 2W

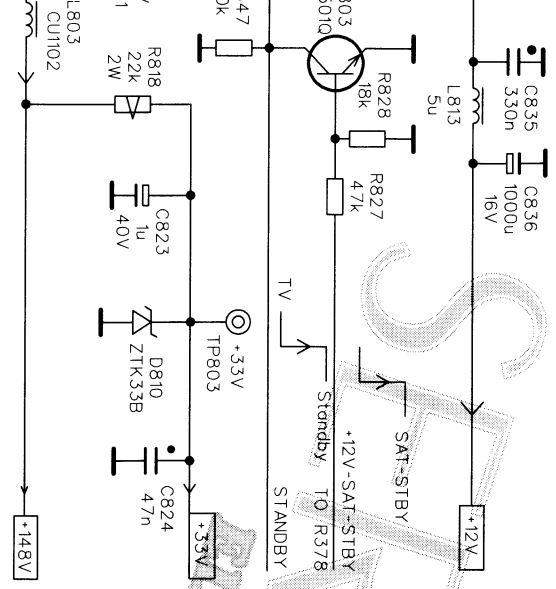
R801	R813	R819
TC 4R7	FUSE 2A5	FUSE 2A5
R7 4W	OR22 1W	OR22 0W5
R7 4W	FUSE 2A5	OR22 0W5

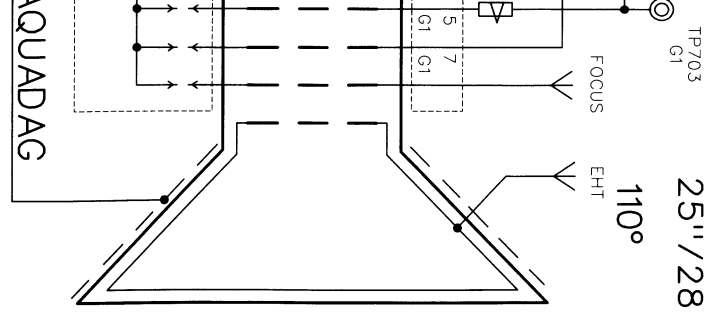
MAINS NOT ISOLATED
MAINS ISOLATED

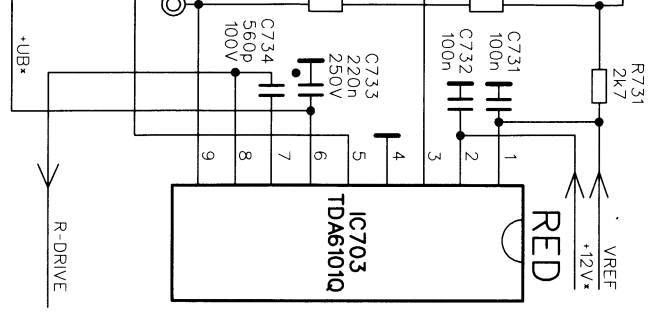
to K050
2EAR101CR
R1103 330R
R1102 330R
C1102 2n2
L1101 10u
C1101 100p
* 470p
(OPTION) R1101 75R
VIDEO FRONT
AUDIO-CINCH-L

SERVICE ELEKTRONIK

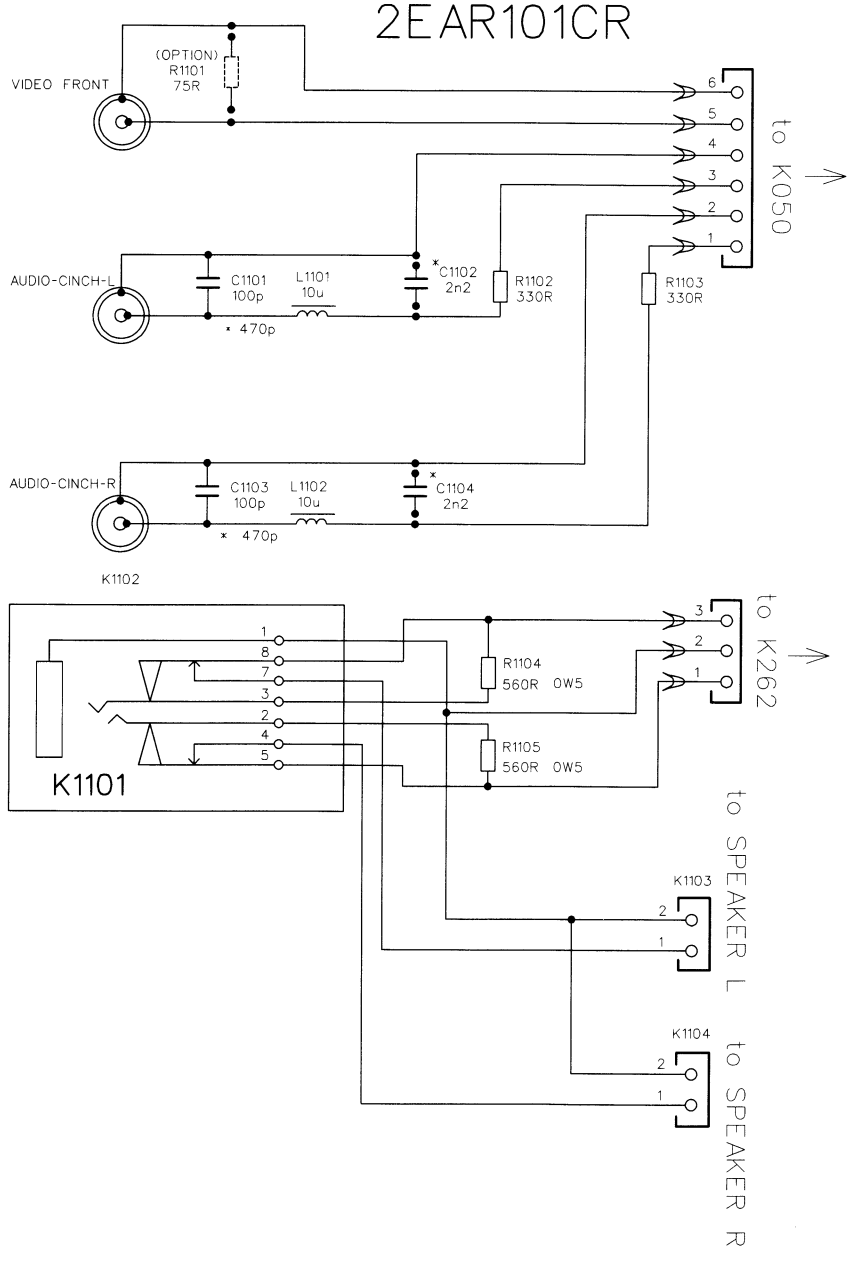


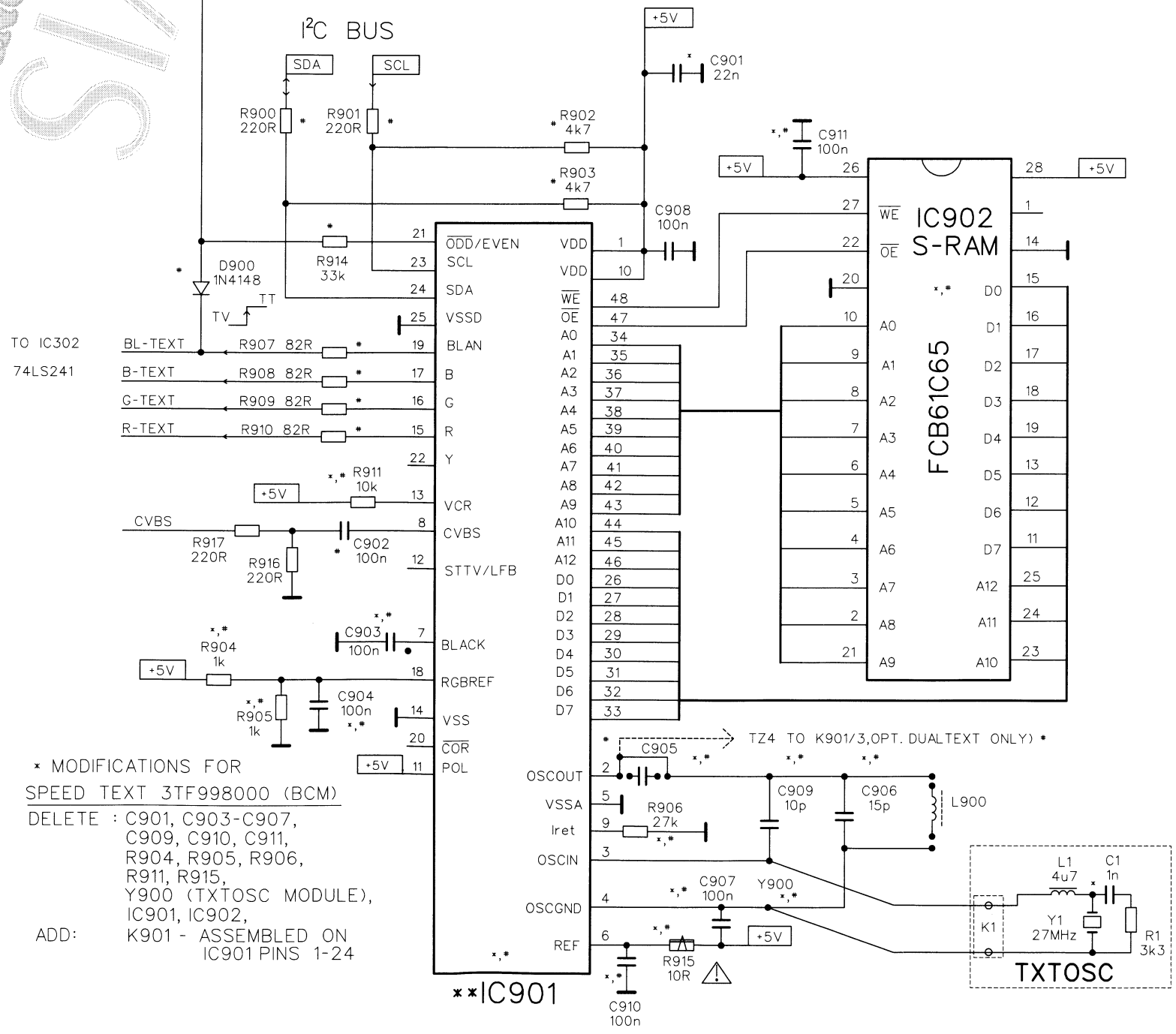


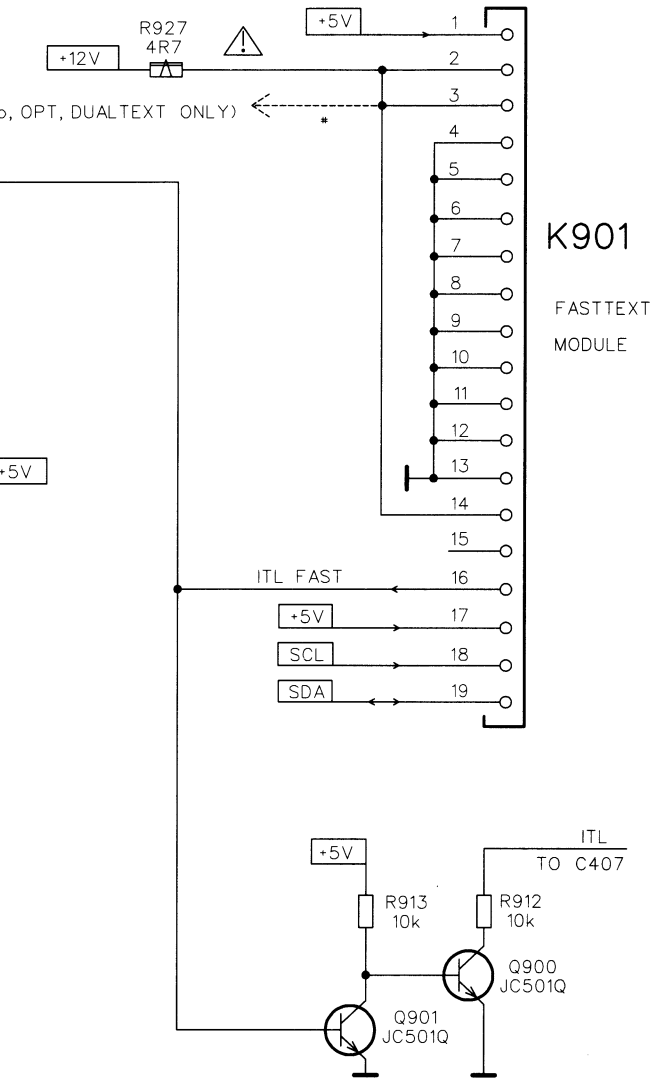




REF \ LANGUAGE	ENGLISH	HEBREW	EAST EUROPE
IC901	SAA5246AP/E	SAA5246AP/L	SAA5246AP/H







* MODIFICATIONS FOR
SPEED TEXT 3TF998000 (BCM)

DELETE : C901, C903-C907,
C909, C910, C911,
R904, R905, R906,
R911, R915,
Y900 (TXTOSC MODULE),
IC901, IC902,

ADD: K901 - ASSEMBLED ON
IC901 PINS 1-24

* MODIFICATIONS FOR
DUAL TEXT 3TD99x000

DELETE : C903-C907, C909,
C910, C911,
D900,
R902-R906, R911, R915,
Y900 (TXTOSC MODULE),
IC901, IC902,

REPLACE WITH JUMPER: C902,
R900, R901, R907-R910, R914

ADD : K901 - ASSEMBLED ON
IC901 PINS 1-24
TZ4 - ASSEMBLED FROM
K901/3 TO C905/top

OTVC Unimor Neptun T66D6 (strona 4/4)

SIMARIS
BINOWARE